



Fig. 1

FIG. 2

Constructs	Prokaryotic		Eukaryotic	
	(Growth)	(β -lactamase activity)	(Growth)	(β -lactamase activity)
Intact β -lactamase	Kar	Carb/PPG	β -lactamase activity (in medium)	Medium
Signal peptide β -lactamase	+	+	+	+
Leaderless β -lactamase	Met	+	-	+
Signal peptide β -lactamase	Signal	Linker	+	-
Signal peptide β -lactamase	peptide	+	+	+
Non-secreted protein β -lactamase fusion	HSP	+	-	+
Trans-membrane protein β -lactamase fusion	CD4	+	<0.01%	-/+
5' biased cDNA β -lactamase library	CDNA	+	-1%	~80%
			~50%	NA